

1   **CLAIMS:**

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3   What is claimed is:

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5   *Sayai* 1. A tie-down device, comprising  
6       a first member having a bottom panel;  
7       a first extended region emanating from said bottom panel;  
8       an affixing means for attaching said bottom panel to a member received on said bottom  
9       panel; and

10      an anchoring means for affixing said first extended region to a structure in a steadfast  
11      manner.

13      2. The device of Claim 1, wherein a second extended region emanates from said bottom  
14      panel in a direction opposing said first extended region, and a second anchoring means affixing  
15      said second extended region to a structure in a steadfast manner.

17      3. The device of Claim 2, wherein a first panel emanates from said bottom panel in a  
18      substantially perpendicular fashion therefrom; said first panel receiving said affixing means  
19      therethrough, thereby affixing said first panel to said member in a secure manner.

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21      4. The device of Claim 2, wherein a first panel emanates from said bottom panel in a  
22      substantially perpendicular fashion therefrom, and a second panel emanates from said bottom  
23      panel in opposing relation to said first panel such that a guide is created therebetween for

1 receiving said member, and at least one of said affixing means attaches said first panel to a first  
2 face of said member and at least one of said affixing means attaches said second panel to a  
3 second face of said member.

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5 5. The device of Claim 4, wherein said member is a wood beam.

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7 6. The device of Claim 4, wherein said member is selected from a group consisting of a  
8 truss and a gable end truss.

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10 7. The device of Claim 4, wherein said affixing means is selected from a group  
11 consisting of a nail, a threaded element, a nut and bolt apparatus.

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13 8. The device of Claim 4, wherein said first member is constructed of metal.

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15 9. The device of Claim 4, wherein said structure is a preform wall containing a curable  
16 material, said anchoring means passing through an aperture in each of said first and second  
17 extended regions and being received and bound within said curable material.

18  
19 Sub 10. A tie-down system, comprising:

20 a second member having a bottom plate;

21 an extended section emanating from said bottom plate in a substantially similar plane;

22 an affixing means for attaching said second member to a member resting on said bottom

23 plate; and

~~Claim 1~~  
~~Claim 2~~

an anchoring means for affixing said first extended section to a structure in a steadfast manner.

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4        11. The system of Claim 10, wherein a first sheet extends in a vertical direction from a  
5        first border of said extended section, and a third sheet extends from said first sheet in a  
6        perpendicular fashion, said affixing means attaching said third sheet to said member in a secure  
7        manner.

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9        12. The system of Claim 10, further comprising:

10            a first sheet extends in a vertical direction from a first border of said extended section and  
11            a second sheet extends in a vertical direction from a second border of said extended section;

12            a third sheet extending from said first sheet in a perpendicular fashion, said affixing  
13            means attaching said third sheet to said member in a secure manner;

14            a fourth sheet extending from said second sheet in a perpendicular fashion, said affixing  
15            means attaching said fourth sheet to said member in a secure manner.

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17        13. The system of Claim 11, wherein at least a hole is defined by said extended section  
18        and receives an elongated portion of said anchoring means therethrough and anchors said second  
19        member to said structure in a steadfast manner.

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21        14. The system of Claim 12, wherein at least a first plate emanates from said bottom  
22        plate in a vertical direction and is distal to said extended section such that a first channel is  
23        defined by said first plate, said bottom plate, said third sheet and said fourth sheet, and said

1 member being received within said channel.

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3       15. The system of claim 14, wherein said first plate is connected to said first member by  
4 at least one of said affixing means.

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6       16. The system of claim 14, wherein said structure is a preform wall containing a curable  
7 material, said anchoring means passing through said hole is received and bound within said  
8 curable material.

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10      17. The system of claim 14, wherein said second member is constructed of a metal.

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13      18. The system of claim 14, wherein said member is selected from a group consisting of  
14 a truss and a gable end truss.

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17      *Start* 19. A method for attaching trusses to a preform wall structure having an outer wall  
18 and an inner wall wherein a curable material is poured therebetween, the method comprising:  
19           providing a first member having a bottom panel;

20           providing a first extended region from said bottom panel;  
21           providing a first panel attached to said bottom panel;

22           placing said truss upon said bottom panel;  
23           attaching said first panel to said truss with an affixing means;  
24           anchoring said first extended region to said curable material with an anchoring means.

- 1        20. The method of claim 19, further comprising the steps of:  
2            defining an aperture within said extended region;  
3            inserting an elongated portion of said anchoring means through said aperture and into  
4        said curable material;  
5            engaging a head portion of said anchoring means upon said extended region.

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